```
%2:
                     call void @llvm.dbg.value(metadata %struct.City* %0, metadata !25, metadata
                     ...!DIExpression()), !dbg!38
                     call void @llvm.dbg.value(metadata %struct.Country* %1, metadata !26,
                     ... metadata !DIExpression()), !dbg !38
                     call void @llvm.dbg.value(metadata i32 0, metadata !27, metadata
                     ...!DIExpression()), !dbg!39
                     %3 = getelementptr inbounds %struct.City, %struct.City* %0, i64 0, i32 0,
                     ...!dbg!40
                     %4 = load i32, i32* %3, align 4, !dbg !40, !tbaa !41
                     \%5 = icmp \, sgt \, i32 \, \%4, \, 0, \, !dbg \, !45
                     br i1 %5, label %6, label %8, !dbg !46
                                       Т
                                                                                 F
                     %6:
                     6:
                      \%7 = \text{zext i} 32 \%4 \text{ to i} 64, !dbg !46
                      br label %15, !dbg !46
%15:
15:
%16 = phi i64 [ 0, %6 ], [ %19, %15 ]
call void @llvm.dbg.value(metadata i64 %16, metadata !27, metadata
...!DIExpression()), !dbq!39
%17 = getelementptr inbounds %struct.City, %struct.City* %0, i64 0, i32 1,
... i64 %16. !dba !56
call void @llvm.dbg.value(metadata i32* %17, metadata !29, metadata
...!DIExpression()), !dbq!57
%18 = trunc i64 %16 to i32, !dbg !58
store i32 %18, i32* %17, align 4, !dbg !58, !tbaa !41
%19 = add nuw nsw i64 %16, 1, !dbg !59
call void @llvm.dbg.value(metadata i64 %19, metadata !27, metadata
...!DIExpression()), !dbg !39
%20 = icmp ult i64 %19, %7, !dbq !45
br i1 %20, label %15, label %8, !dbg !46, !llvm.loop !60
                 Τ
                                                         F
                             %8:
                             8:
                              call void @llvm.dbg.value(metadata i32 0, metadata !33, metadata
                             ...!DIExpression()), !dbg !47
                              %9 = getelementptr inbounds %struct.Country, %struct.Country* %1, i64 0, i32
                             ... 0, !dbg !48
                              %10 = load i32, i32* %9, align 8, !dbg !48, !tbaa !49
                              %11 = icmp \ sqt \ i32 \ \%10, \ 0, \ !dbq \ !52
                              br i1 %11, label %12, label %21, !dbg !53
                                                                                          F
                                                Т
        %12:
        12:
         %13 = getelementptr inbounds %struct.Country, %struct.Country* %1, i64 0,
        ... i32 1, !dbg !54
         %14 = load %struct.City*, %struct.City** %13, align 8, !dbg !54, !tbaa !55
         br label %22, !dbg !53
        %22:
        22:
        %23 = phi i64 [ 0, %12 ], [ %26, %22 ]
        call void @llvm.dbg.value(metadata i64 %23, metadata !33, metadata
        ...!DIExpression()), !dbg!47
        call void @llvm.dbg.value(metadata %struct.Citv* undef, metadata !35,
        ... metadata !DIExpression()), !dbg !54
        %24 = getelementptr inbounds %struct.City, %struct.City* %14, i64 %23, i32
        ... 1, i64 0, !dbg !63
        %25 = trunc i64 %23 to i32, !dbq !64
        store i32 %25, i32* %24, align 4, !dbg !64, !tbaa !41
        %26 = add nuw nsw i64 %23, 1, !dbg !65
        call void @llvm.dbg.value(metadata i64 %26, metadata !33, metadata
        ...!DIExpression()), !dbq!47
        %27 = load i32, i32* %9, align 8, !dbg !48, !tbaa !49
        %28 = \text{sext i} 32 \%27 \text{ to i} 64, !dbg !52
        %29 = icmp slt i64 %26, %28, !dbg !52
        br i1 %29, label %22, label %21, !dbg !53, !llvm.loop !66
                          Τ
                                                                   F
                                                                       %21:
                                                                       21:
                                                                       ret void, !dbg !62
```